Inaugural Difsertation Diabetes Submitted to the medical Professors of the University of Pennsylvania I Ingiam Pope Mand 11th 1823. The Dip server from the sung kin Then and selection and se

## Introduction

The subject which Thave Chosen for my inaugural Differtation is that of Diabetes. It is no, Land award whow fathelegy were at this enlightened period of Medical Science. is involved in obscur. ty and not agued upond by Authors, and the heat Munt of which is not allogether Settled among Pearlitioners. It is not my intention, Men do Hunk that it will be enpeoted from med; to offer any thing New no the subject; My object is to bung into a Conciliation some of the differents Thenies that have been entertained of the disease, and to solect from among there, that which I consider to be founded on the studest pathological punciples, deducing from Thone The Mort approved fractice If I succeed in this, to the salesfaction of then to whom this infurfect Estay is Mond fracticularly addufed, Ishale accomplished all Whats

I intended , and Alow no hudaling in believing that In all nume defects, they at least, will make sufficient, allowances -

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## Diabetes

The Manu Diabetes is deeved from the greek wond diabane signifying to pass things. It counts in fuguers and Copious discharges of a limpie fluid from the bladded differing in its properties from healthy wine Cullen has divided it into two species. 1. Diabetes millitus When the discharge partakes of the nature of horney 2. Diabeter Insignatus when it has no such properties It is for the Most part attended with excelive thints a vnacious appetito, a dry parched shin, tonque Clanury, Sometimes red, at others foul and white, a tough disaqueable Mucus about the fauces, partice - ularly in the Monning, qual heat about the Hurst, Yeorginess and Sometimes ulcoration of the gums, Constant pain about the region of the Redocces , exeristion at the and of the unther, hest and unasings about the Stones he and bowls, particularly after meals, Constitue - tion of the brocks, and as the decare advances there is a preculiar odner exchaled from the body and some-. times from the Lungs weembling hay; the Muna

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Now Sympathezes with the body and the features becomes fulful and dipatirfied, wer anxious for whip, but too undeady to June any Course for the allainment of it, as the decard advances omacialion inou ases, the externities an allasked with Cramps or Yearns, the Saliva becomes Anna glutinous, and as the strength becomes still mad ichaustia in the advance or Stage, the love ochemities beened admatous, the fluid dicharged becomes less in quantity, and partakes must of the malue of healthy wine, till finally, or hawted Matur Sinks under the free of the duean and death Closes the westofud Scend. Such and the Symptoms of the Man Commend forms of the disease, but occasionally happens that instead of the large quantities of limpies oflind , then is lest of it, and of an ambor-Colono, Sometimes Con . taining large quantity of Sacohamino Matted, at others little or now. There is also quat variation in the appetite for food and in the thirst, in Aroportion as, the nutritions particles are dimi-- Mated from the System in quater or less quantities



by the wine . There is a Encesponding menare or diminu . tim in those . It will be presented that theave said molling of the State of the pulse in this ducate, it is So various according to the different Cucumstances of each caid, that Mothing Could be deduce & grown it whereby the healoured Might be deached, Stherefore thought it unnecessary to make any umarks mit The secounts of the unnund quantities of food and sunk taken, and the wind paged by the halund, utaled by defected authors, are about mondeble, but they Come from such high authorities that we Count for a mount, doubt the butte of there, hoile not him enter into a munule delact of the radicular quantitus but will my Curnily Mentino that at an arreag? in health the ingesta neword in thereby some hours is equal to one eighthe of the weight of the body. Whereas in Diabetes, it is equal to me Third Il is worthy of miles that how between under dealets are swenight from all Epidemies. The persuable symptoms aw a modulation of the thurst

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a lifering in quantity and are incurace in the Edmi go the wind , with a dimenution of the Sacchause principle, the whose discharges become mad Copious and of a softer Consistence. The Culamous inhabation uspficas and the strength and planefings of the whole body when The word of these and the unfavouable symptoms, and . Mark the offeracts to a falal lumination? This decade in the most fast is the Leoue of intemper and and the Companion of a broken Constitution. It is freeduced by the los few and of reduct spends, by duntie Mudicines, by acid dunks, Lemented liquers, Sow wires, too Copious festations of any fund , except in venuy, a funuous vegilable dut, hard labour Come . Led with a poor duty, perfere wacualions. The debititating frofrens, in fine, by any thing that furdues gund debility or tends to weaken their system, It Some times howeved and frond no obreous Cauxo. The appearances on desection and not uniformly the Samo. The Rednes Sometimes appearing longer and red, at offer times flaced with the vegicis much



delated and easily town, Sometimes foreign bodes and found, as Calcule, at the times again, Muy appear almost liquiped with the fraunchyon alous substance Substanced Mearly destroyed? The following is the usuall of Baillies meanunations. Says his "The view upon the Sugare wew much fuller of blood Than usual Julling no and autorescent appearance, when the substance of both Rednies was out into, it was observed to be much Man Convoled with blood refiels than in a Malmal) State, So at in Some pails to approach to the approach of inflammation. Both hednes had the some degue of Summer to the louch as when healthy; but Munte weed hordly so firm at hadnes usually and the refets of which were so much filled with blood, a very small manily of a whitesh alund, a good deal usumbling fews, was Squeezad out one or les infundabulad in both kednies, but there was no appearance of uluration in cetter. Whom first lasting the fluid Whought it had some deque of sevelruft, but upon a ujulilion leves and-" ful so



after having incomerated the Sympland and faces of & inteles it remains for the to day something of its pathology as for Commany to its treatments. This durace spyran to have been Known to Hippoorales . Though it secured no particular Manu 'tell the time of Galen and Autaus, who, mention it under the various oppullations of Dropsy into the Charmbe Pot, Dianha à into unio, Boarle a Desteles & Dipracus. Il was at that lime a very we dience as opposing the willings of that found , Galen mentions as having deen it only onew, he undribledly considered it as a diseased baled frimarily in the hidries, and depending no their atonic state, he Considered Diabetes as a dinaw in the hednies and bladder, limitar to what limiter is no the Umach and interlines, and as in the latter the vnacious appetite existing at the outies of the Stoneach, with awinability to estain the large quantities of ingesta received , Carres an accumulation of for with a consequent speedy and Copious discharge; just so in the Widnes, the appetite exists for the server fluid by which they secute large quantities which is immediately, secuted int the

Had But at the stand before at the stand of san san 4 . May ! lace Hander. The printedly denies that the Elemente has any those IT to write the fundaction of the decimal, and defined it to a fueliar of feed decimal, and defined it to a fueliar of feed at the major of the Mentines themselves. Here are feel of the Stevenselv, with along if the abstract feel of the support. Hat it worts without analysis appeted, the jump worth melan well in the forest options, were seen at the histories; were well on the forest of the such and the histories; were well and the feel of the such as the forest of the such that the feel on the feel of the such that the such that there is the feel of the such that the such feel of the such that along the feel of the such that the such that the such that the such as the such that the such

Malour When Mand one before Collect your attention to sale speak of it is not increment disease, he Constituted at a for speak of the Collect as any fallow that when much attached as very falled. The Calle of a letter guadient of the Hort and bumb ento sums, and suppose it to aim your Kouland Count at Compy; in Gard James He acceptation of Her sumply in Gard James He acceptation of Her surgery, with this depopulation, that the officer instead of being officered.

South Literary of W. Hang s1 1/c Ilw , Hori 1.60 Hen of be rales Sale Va beer Jay who some of the Cartes or the Catendar Mountaine, takes a signeent rout and a thrown into the bladder, so other words a mightaced Desprey.

Idenid it unnexplay to day any thing of the openions of mow of the ancurch & allers of Medicare, unlessor to the line of Willis, who lived in the seventionth Century, Swill therefore frage down to this last Mentioned author, who may be Considered as Fearing made the greatest advance some to in the knowledge of the Malue of Deabetes, and at the first who noticed the Sacohained frincefeld in He wine. The Considered Beabeles as a ducase of the Hord instead of the Redness, and the proximate Cause to be a lonered or desolved state of the Mixlus of the blood so much that the watery parts are incapable of being relained by the thicker, and Consequently seperrating from their Connection become inpugnate a with Salind Qualter and past off Hungh the histories. he allows that the Rednies May Sometimes Consus in becoming a part of the devet Cause "in as much" Jays he as the ferment as occasionally wont to be



So vitale a that it Counced high the blood by the influe of the leavest state in it has made a private state faithet usered the hum. It as he toperated been at by himple function, had it seemlemed traffered that the blood medagons a manifestation or it finished thereof to the Rudnish form any and sell these specific producing be its congressing quality, a great manife of become hadle. Whether is presently transit away through the mills.

Belimpinary with, and a blitt of the Willis More Special and con Shoot, Special such of the survey of the Martine of the format being the Martine of the water of the Martine of the martine the Martine of the Special Specia



- purpong , gall into C'abeles, ever though the five at that line though have been Justilly tub dued : for when thew blood, debitetaled by such healnung, is were deved allogother unequal to the aprimilation of the juices which and brought to it, there being yet oude and unconsocted, sind a court by the winary prafrages; and therefait, in Consequence is the immune quantity of wind every lime they make it, excelled, the flowers of the body, by degrees, and undersured, and its substance is canned off as it wew by this drawn. In this assection? as indeed in every hind of Disbeles, arising from Whatever Cause it May, the Cenalive indisation much be dended allogether lowar & invigorating and strongthoning the Hon as well as ustraining the fulunatural fluid of wind ? Alle this Pollows a prescription for in summir dielusty, which is billio and astrongeret; and for an infusion of Some wand bitter and aromalies in Canacy wine. " Let the features?" he adds " val good of easy digestioned. such as real, Muttow, and the like, and abitand from Ill Sorts of garden Stuffs; and of all his muchs



dunk Mount wines" has with the exception of the wine, Ido not 1/2 mow that there develores with wepert to dich Could be qually improved our at the purnty day; From Syden hom, aby a for posion gradation, I des-Cena to builing, another of the bullant luminaries in the - prolipsion of medicine. The Doctor Candidir asknow ledges, that as the proximate land was so little known The Could offer no rational method of Cur in the dinard He says his thinks it perbable that the guramate cause may be sealed in the afamilialny apparatus, a in How powers employed no the Convertino of Chyle and the alementary Lubstances into the fucture sommes to luis, but at the dame uni umarks, that he thinks the Theory meuriocied with some insuperable defriculties, hi Considers, that a Conclusion indence against the topical affection of the Ridnies, having a Than in the frontere live of the disease, and in favour of its being a fault in the assimilatory process, is, that the solid food laken in increases the quantity and The Sacchause quality of the wine. he thinks that the imited facin



of the bettern is very exect as in some saw had one cand and the should be a series of the second one of the second one of the present and says that he believes from the betterning of deceal butters that at had been comed, but that had one cand the very land of the believes from the betterning of deceal butters that at had been comediate or of they then that he can can be comed and the cand can be of they then that he was heard of in Sodlands and con course course.

Moment from it as his opinion? That the Jamany seal of this busines is no the Indone themselver, and that it Consider we accounted as decree, the Sacchainer Martin and the opinional reference which actions the Sacchainer Martin and the opinional reference to the opinional reference to the theory of the America of Appelete, and the laser of moment of the James of the Consider the theory of the theory of the opinional and the laser of the theory of the the theory of the the theory of the the theory of the the theory of the the theory of the the

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undebted for the most successive mode of practice un Qualities. The predictions healment wo his theate, has unmortalized his hance in the resords of Mudicine, and will hand it down to prosterty as that, or the delivered of the human race from a most distributing, and in the estimation of witers fruit to tund) an insurable ducase. Beford dismissing this part of the subject there is one mue Repothers lately advanced by Hufeland Which may be well to Molice as it is new, and me Ithink that May lead to Some useful indication! in the head Much du desare. It wind . that be cabiles redition . persuals mension in frequency at the land du is the Same Inspendion decession, the last of which in vays how been alluholed to the few per or dantes durchs Mono hadien sely of Yea and Coffee . Now the interence The weeker to deswe firm this, is, that there is a storing, analogy between the cause and ration of the her due aus, The supposes that the feeduction's sugar has be a Reddication of Jullie Malle, he une acid being Combon 2x with Some Substance furducing, Sugar, instead of



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to be a common property with all the plands in the body. Is be increased in their action by the application of any Stine whis . Thus In example , the Salvary glands are increased in their action by the Stomulus of Mercury, the lever by that of heat, the testicles by that of Cariorous thoughts de It may -perhaps, and with propriety . to asked , who this secution is not performed by the other glands of the body as well as by the Rednies . Tanswer, that the Secretion . The hidnes differ from that of any other gland in the body in as much as the secutions of the the glands and appropriated to some particular use in the animal sconony), whereas that tectorned by the Ridnies is thereon out of the System as mein maller, it is the proulead office of the hearies to secule from the blood whatever is excumuntations, welest, a horious. He we to del witnessly Lind in the secutions of other plands of pursus who have been beking furrentine gardie, asparagus and thu sun substances, their fuculiar frogerties, as we do in the wine. The lungs and shire however do appear to Juston a reacious office of this kind, as is presently

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The freedow Travilas which was described when groung, the Symploms , the disease, as arising remi Hum. This Course to to be the succhained or some other himselve separated of me the blood along with these our appropriate Levelion. Thus there from what has been said, Shink it reasonable to conclude, that the furnary cause of a cabeles, is and impresent digestion, Chylification or asimilation or a defeat in all of them. But although it will not be denied Spessene, that the other glands of the body do ucasimally sopriate, with their own appropriate Secu .. lims, Something vione the mass of blood, which has ver importedly assimulated with it, but as the Manual concline or the Rednes of to Separate excumentations Matter, There 1: He just wasne to surfeet in there any Snimary durand, but so far otherways we should usionably Emelide hal Diabetes is the effect of the natural and Quality action of the Kidnus upor impureelly Lanned Hood, and that the selvice thus seculed, george its quantity perhaps as well as its quality, induces still mon and mond the receive discharge Constituting the duran Called

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Level in the gundens of the gent paginges on alluling must be Mene hachenlarly directed thew. The first indication to be fullelled, is to proved the formation of sugar which process fam inclined to believe is very similar to accessing, their by the experience of Rollo, and there who have fillwed fan, is most effectually down by a shirt adhunced to an animal dul, and abstrance from all regulable ford some knows, Spirituous, and fumented liquors, in place a there yor the palient's Common dunk , he make lake times water & some regilable louis inturious acidalated with Milio acid. To answer the same indication and to give love to the diges live organs, Semouve that the alkalis, absorberts, astingents and lonies and of the ulmost whilly . as the ground alkales nave a delemened action on the higheries, he votabile is Justeable. among the tonies the perparations of Conshma, the Chaliphales and the other Melalie lonies as the Juparalsons of Tina, Copyer to the best adapted, The Salls of Bark Mink then premiado well adapted, as in that preparation We tonic properties are obtained without the Macyvilly of going so much fluid as in deerding, n so much or the regetable



principle as in substance or powder; When used in decidion it should be spuraced with line water . Combinations of Some, Time, and Month May be given. The preparations of Eofyrer Doctor Case thinks, may have a specific expect independent of their truic restures. as sugar is used as an archarle to its Auparalines, So he thenks there may be used to present the famation . among the abendereds, furhaps the Magnesia and Carbonate of line and to be preferred. I in this ducase the stan is haith and day, displicated are inferiously balled for. You the ammoria again becomes useful, the hepatized is Tighty surronunded by some, the various fouperations of Internew and other displenders, which the Sagacity of the Inactitioner May dictate, May be interposed with advan lage, It is receiving to bear in mind hourses that in grings the hurarations of antenness they should not be gurer in Embination with any of the regitable allungents as a chunical decomposition of the artimony takes place and its virtues undered thinly effete. To Sulfill The lingthe indication of giving tree to the system and at the same time of Intermining to the Lugary wille convere is of the greatest

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utility, as the bowds are usually Coster, attention should be paid to them by interposing, a laxative occasionally I alleand weamounds the blookhois and very highly and . aus, that he has und it with the quatest advantage The wasons that first induced him to omploy it, were that phosphone acid which orders site the Composition o healthy wine, is mady altogother absent in deabilie and that He unemal diet found so unful in this desease yelds a large proportion of the acid, whele the regolable under the me o which, the disease rabially increases, fields tille or Unio. It will be persived in the freeeders pages that Thave not have been particular in dividing the does of the different medicines which thave recommended, this. I Your interdinally emilled, hereving that very practitioned will adapt his funcuplions to the particular Cucumstances With Cair

But finally discriping the subject they have to Calle you altholing most their to what Decreases of the Physical supulance so the Management of their obtained discrete, may altimose is to the improved duly that declared upon

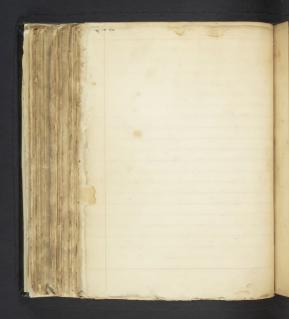


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October 28th /822







Dichety W. P. Horf. 66.

